

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1-22 and 26-28 are pending in the application, with Claims 1, 6, 12, 19, and 26 being the independent claims. Claims 23-25 are sought to be cancelled without prejudice to or disclaimer of the subject matter therein. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejections under 35 U.S.C. § 102

Claims 1, 3-5, and 19-22 stand rejected under 35 U.S.C. 102(b) as being allegedly anticipated by U.S. Pat. No. 5,483,695 to Pardoen ("Pardoen"). Applicant respectfully traverses.

With respect to claim 1, and as discussed in the Examiner Interview of October 5, 2004, Pardoen neither teaches nor suggests every feature of claim 1. For example, Pardoen neither teaches nor suggests, among other things, outputting a demodulated baseband information signal wherein the aliasing rate is based upon the demodulated baseband information signal, as recited in claim 1. For at least this reason, Applicants respectfully submit that claim 1 is patentable over Pardoen. Reconsideration and withdrawal of the rejection of claim 1 is respectfully requested.

Claims 3-5 depend from claim 1. Applicants thus submit that claims 3-5 are patentable over Pardoen for at least the reasons discussed with respect to claim 1. Reconsideration and withdrawal of the rejections of claims 3-5 are respectfully requested.

Regarding claim 19, Pardoen neither teaches nor suggests, among other things, adjusting a control signal based on frequency changes of the FM signal. For at least this reason, Applicants respectfully submit that claim 19 is patentable over Pardoen. Reconsideration and withdrawal of the rejection of claim 19 is respectfully requested.

Claims 20-22 depend either directly or indirectly from claim 19. Therefore, Applicants submit that claims 20-22 are patentable over Pardoen for at least the reasons discussed with respect to claim 19. Reconsideration and withdrawal of the rejections of claims 20-22 are respectfully requested.

Rejections under 35 U.S.C. § 103

Claims 2, 6, and 9-11 stand rejected under 35 U.S.C. 103(a) as being allegedly unpatentable over Pardoen. Applicants respectfully traverse.

Claim 2 depends from claim 1. Thus, Applicants respectfully submit that claim 2 is patentable over Pardoen for at least the reasons discussed with respect to claim 1. Reconsideration and withdrawal of the rejection of claim 2 is respectfully requested.

Regarding claim 6, and as discussed in the Examiner Interview of October 5, 2004, Pardoen neither teaches nor suggests, among other things, generating the first and second LO signals based on the control signal and outputting the control signal as a demodulated baseband information signal, as recited in claim 6. For at least this reason,

Applicants submit that claim 6 is patentable over Pardoen. Reconsideration and withdrawal of the rejection of claim 6 is respectfully requested.

Claims 9-11 depend from claim 6. Therefore, Applicants submit that claims 9-11 are patentable over Pardoen for at least the reasons discussed with respect to claim 6. Reconsideration and withdrawal of the rejections of claims 9-11 are respectfully requested.

Claims 7-8 stand rejected under 35 U.S.C. 103(a) as being allegedly unpatentable over Pardoen in view of U.S. Pat. No. 5,600,680 to Mishima et al. ("Mishima").

Applicants respectfully traverse. Claims 7-8 depend from claim 6. Neither Pardoen nor Mishima, alone or in combination, teach or suggest, among other things, generating the first and second LO signals based on the control signal and outputting the control signal as a demodulated baseband information signal, as recited in claim 6. For at least this reason, Applicants respectfully submit that claims 7-8 are patentable over Pardoen in view of Mishima. Reconsideration and withdrawal of the rejections of claims 7-8 are respectfully requested.

Claims 23-25 stand rejected under 35 U.S.C. 103(a) as being allegedly unpatentable over U.S. Pat. Publ. No. 2003/006890. Applicants respectfully traverse. However, in furtherance of prosecution, Applicants have cancelled claims 23-25. Applicants respectfully submit that the rejections of claims 23-25 have been rendered moot.

Allowed Claims

Applicants thank the Examiner for indicating the allowability of claims 12-18 and 26-28.

Information Disclosure Statements

Applicants thank the Examiner for returning initialed copies of the PTO Form-1449s from IDSs filed March 24, 2004, and May 14, 2004. However, Applicants have not received complete initialed 1449s for all filed IDSs. Specifically, Applicants have not received any initialed copies of 1449s for the IDSs submitted by Applicants on January 3, 2003 (5 pages of 1449s) and July 11, 2003 (4 pages of 1449s).

Additionally, it appears that the Examiner overlooked several references when initialing other 1449s filed by Applicants, as they contain neither initials nor strike-throughs. Specifically, in the IDS filed December 23, 2002, reference AI48 was overlooked. In the IDS filed January 11, 2002, references AI6, AI13, AI14, AN26, AO26, AP26, AQ26, AR26, AN27, AO27, AP27, AQ27, and AR27 were overlooked.

Applicants respectfully request that the above-listed references and 1449s be considered and made of record.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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